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Marrs et al.

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(54) **HIGH-VOLTAGE EXTENDER FOR
CONNECTING A SPARK PLUG TO A
HIGH-VOLTAGE SOURCE**

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(58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

An extender for connecting a high-voltage source to a spark plug has a spring adapted to electrically connect with the high-voltage source and the spark plug, a tube having said spring positioned within an interior passageway thereof, and a boot affixed over an exterior of the tube. The boot is formed of a material having a rigidity less than a rigidity of a material of the tube. The boot has a first end adapted to be connected with the high-voltage source and a second end adapted to be connected to the spark plug such that the spring is in direct electrical connection with the spark plug and the high-voltage source. The tube has one end that is spaced inwardly of the first end of the boot and an opposite end of the spaced inwardly of the second end of the boot.

19 Claims, 5 Drawing Sheets

